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In the Claims:

Please cancel claim 2 from prosecution and enter new claims 38-44 for prosecution on the merits. A complete listing of the claims proper claim identifiers is set forth below.

1. (currently amended) A mixed-gas insufflation system for mixing insufflation gases, comprising:

a gas supply providing at least two sources of insufflation gas; and

a mixer system including a tubing system associated with each of the at least two sources of insufflation gas, the tubing system including a first sensor for sensing whether a predetermined supply of insufflation gas is present and a second sensor for identifying the insufflating gas to be associated with the tubing system, and including a chamber, the chamber having at least two inlets and at least one outlet, wherein the at least two inlets of the chamber are in fluid communication with the tubing system gas supply; the mixer system for mixing the at least two sources of insufflation gas, and wherein the output is in fluid communication with an insufflator for supplying a gas mixture from the mixer system.

2. (cancelled)

3. (original) The mixed-gas insufflation system of claim 2, further comprising activation means for selecting an insufflation gas to enter the corresponding tubing system.

4. (original) The mixed-gas insufflation system of claim 2, wherein the tubing system further comprises a flow valve to allow the flow of insufflation gas and a metering valve to control the flow of insufflation gas.

5. (original) The mixed-gas insufflation system of claim 1, wherein the chamber further comprises at least one baffle.

6. (original) The mixed-gas insufflation system of claim 5, wherein the chamber further comprises four baffles.

7. (original) The mixed-gas insufflation system of claim 1, wherein the chamber further comprises a plate having a plurality of holes.

8. (original) The mixed-gas insufflation system of claims 1, 5, 6 or 7, wherein the mixing chamber further comprises a fan.

9. (original) The mixed-gas insufflation system of claim 1, wherein the at least two sources of insufflation gas are different from each other.

10. (original) The mixed-gas insufflation system of claim 1, wherein the at least two sources of insufflation gas include oxygen.

11. (original) The mixed-gas insufflation system of claim 1, wherein the mixer system further comprises a sensor for identifying the presence of the insufflating gas associated with the corresponding tubing system.

12. (original) The mixed-gas insufflation system of claim 11, wherein the sensor further comprises a resistor block that senses the assigned ohmic value assigned to the insufflating gas.

13. (original) The mixed-gas insufflation system of claim 11, wherein the sensor further comprises a gas analyzer.

14. (original) The mixed-gas insufflation system of claim 1, wherein the mixer system further comprises at least one dual-capacity tube having an inlet for attachment to at least one outlet of an insufflator;

15. (currently amended) The mixed-gas insufflation system of claim 1, wherein the insufflator further comprises ~~comprising~~ a multi-output insufflator having:
at least two inputs;
at least two delivery paths attached to the at least two inputs for allowing the flow of insufflation gases from at least two pressurized sources attached to the at least two delivery paths;
a central processing unit for monitoring and controlling the flow of insufflation gas passing through the at least two delivery paths;
at least two output lines attached to the at least two delivery paths; and
wherein the mixer system is located internal to the multi-output insufflator and along the at least two delivery paths for mixing the insufflation gas.

16. (original) The mixed-gas insufflation system of claims 1 or 15 further comprising a multi-lumen catheter having at least one inlet attached with the at least one output of the chamber and at least one inlet for attachment with a source of liquid.

17. (original) The mixed-gas insufflation system of claims 1 or 15 further comprising a humidification system having at least one inlet attached with the at least one output of the mixing chamber.

18. (original) The mixed-gas insufflation system of claim 1, wherein the chamber further comprises at least one output in fluid communication with a connector for insertion into a surgical site and a catheter having at least one lumen and an outlet for insertion into the surgical site.

19-37. (cancelled)

38. (new) A mixed-gas insufflator, comprising:
a housing having at least two inlets for receiving sources of gas;
a tubing system in fluid communication with each inlet;

a mixing chamber internal to the housing and having at least two inlets and at least one outlet, wherein the at least two mixing chamber inlets are in fluid communication with the tubing system and the at least one mixing chamber outlet for providing a gas mixture for introduction into a cavity; and

wherein all gases to be mixed and used to insufflate the cavity pass through the mixing chamber.

39. (new) The mixed-gas insufflator of claim 38, wherein the tubing system further comprises a first sensor for sensing whether a predetermined supply of the gas mixture is present and a second sensor for identifying gases comprising the gas mixture to be associated with the tubing system.

40. (new) The mixed-gas insufflator of claim 38, wherein the chamber further comprises at least one baffle.

41. (new) The mixed-gas insufflator of claim 38, wherein the chamber further comprises a plate having a plurality of holes.

42. (new) The mixed-gas insufflator of claim 38, wherein the mixing chamber further comprises a fan.

43. (new) The mixed-gas insufflator of claim 38, wherein the at least two sources of gas are pressurized.

44. (new) The mixed-gas insufflator of claim 38, wherein the at least two sources of gas include oxygen.